

Converting Colors

$Y_{xy}(20.1951, 0.2529, 0.2614)$

Have a look what the booklet for
Yxy(20.1951, 0.2529, 0.2614)
contains.

Yxy(20.1951, 0.2529, 0.2614)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1951, 0.2529, 0.2614)

Conversions

Conversions Part 1

Format	Color
Hex	677DA3
RGB	103, 125, 163
RGB Percent	40%, 49%, 64%
CMY	0.5961, 0.5098, 0.3607
CMYK	0.37, 0.23, 0.00, 0.36
HSL	218°, 25%, 52%
HSV	218°, 37%, 64%
XYZ	19.5384, 20.1951, 37.5239
YIQ	122.7540, -25.3100, 7.1540

Conversions

Conversions Part 2

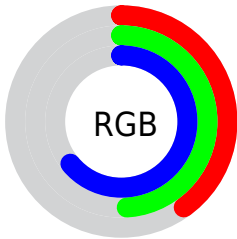
Format	Color
R _Y B	103, 119, 163
Decimal	6782371
CIE Lab	52.06, 1.74, -22.88
CIE LCh	52, 22.947, 274.348
Yxy	20.1951, 0.2529, 0.2614
Android (android.graphics.Color)	4284972451 (0xFF677DA3)
YUV	122.7540, 19.8413, -17.3243
Hunter-Lab	44.9390, -1.0355, -18.0498

Details

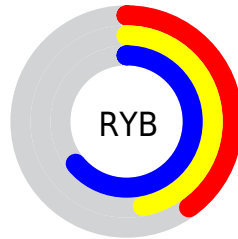
The Yxy color $20.1951, 0.2529, 0.2614$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $27.8194, 0.3778, 0.3881$, and the grayscale version is $19.6621, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5742, 0.2661, 0.2755$, and $7.0735, 0.2305, 0.2355$ is the 20% darker color. If you saturate the color by 10%, you get $16.8444, 0.2356, 0.2390$, and if you desaturate by 10%, it is $24.0070, 0.2701, 0.2822$.

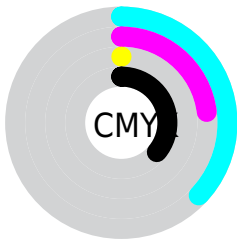
Distribution



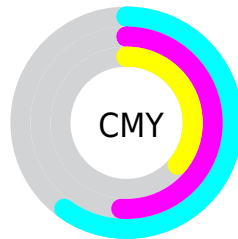
- Red (40%)
- Green (49%)
- Blue (64%)



- Red (40%)
- Yellow (47%)
- Blue (64%)



- Cyan (37%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (60%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1951, 0.2529, 0.2614 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 20.1951, 0.2529, 0.2614 by changing the saturation by 10% instead.

■ 20.1951, 0.2529,
0.2614

■ 20.1951, 0.2529,
0.2614

■ 252.9694, 0.2864,
0.2990

■ 12.5369, 0.2432,
0.2507

■ 43.7440, 0.2660,
0.2760

■ 7.1105, 0.2300,
0.2360

■ 60.4036, 0.2706,
0.2812

■ 3.5313, 0.2109,
0.2149

■ 80.8324, 0.2744,
0.2855

■ 1.4150, 0.1813,
0.1827

■ 105.4149, 0.2776,
0.2891

■ 0.2277, 0.0984,
0.0865

■ 134.5355, 0.2803,
0.2921

■ 0.0000, 0.0000,
0.0000

168.5785, 0.2826,

0.2947

207.9283, 0.2846,
0.2970

■ 20.1951, 0.2529,
0.2614

■ 20.1951, 0.2529,
0.2614

■ 16.8444, 0.2356,
0.2390

■ 24.0070, 0.2701,
0.2822

■ 13.9334, 0.2188,
0.2154

■ 28.2959, 0.2867,
0.3013

■ 11.4420, 0.2030,
0.1913

■ 33.0794, 0.3025,
0.3184

■ 9.3476, 0.1891,
0.1675

■ 38.3735, 0.3173,
0.3337

■ 7.6247, 0.1776,
0.1450

■ 44.1936, 0.3311,
0.3471

■ 6.2393, 0.1688,
0.1245

■ 50.5544, 0.3437,
0.3590

■ 5.8521, 0.1662,
0.1184

■ 57.4697, 0.3553,
0.3694

■ 64.9532, 0.3659,
0.3784

■ 73.0178, 0.3756,
0.3863

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.1951, 0.2362, 0.2755



20.1951, 0.2529, 0.2614



20.1951, 0.2856, 0.2640

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.1951, 0.2529, 0.2614



20.1951, 0.3936, 0.3432



20.1951, 0.2937, 0.3849

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.1951, 0.2529, 0.2614



27.8194, 0.3778, 0.3881

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.1951, 0.3358, 0.4045



20.1951, 0.2529, 0.2614



20.1951, 0.3950, 0.3761

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.1951, 0.2529, 0.2614



20.1951, 0.3684, 0.3094



20.1951, 0.3732, 0.3997



20.1951, 0.2584, 0.3469

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.1951, 0.2529, 0.2614



20.1951, 0.3134, 0.2741



20.1951, 0.3732, 0.3997



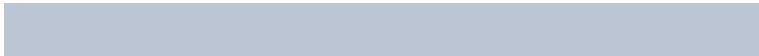
20.1951, 0.3075, 0.3940

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.1959, 0.2529, 0.2614



55.3631, 0.2957, 0.3111



31.0055, 0.2783, 0.3671



12.1882, 0.2936, 0.3089



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.1959, 0.2529, 0.2614



31.2980, 0.2391, 0.2436



15.7244, 0.2556, 0.2231



7.2654, 0.2987, 0.3144



4.6280, 0.1667, 0.1201



0.1853, 0.1871, 0.1937

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.9687, 0.3671, 0.2943



29.3147, 0.3846, 0.2868



34.1475, 0.3584, 0.4210



7.1269, 0.3230, 0.3208



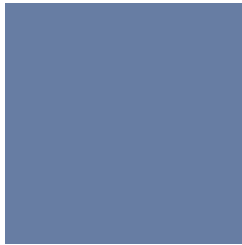
6.3113, 0.5465, 0.2784



0.1415, 0.4525, 0.2266

Previews

White Background



This preview shows how the Yxy color 20.1951, 0.2529, 0.2614 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 20.1951, 0.2529, 0.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

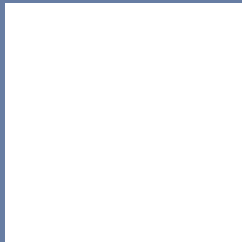
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1951, 0.2529, 0.2614

Background



This preview shows how black text looks on a background with the Yxy color 20.1951, 0.2529, 0.2614.

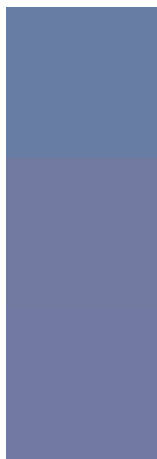


This preview shows how white text looks on a background with the Yxy color 20.1951, 0.2529, 0.2614.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.1951, 0.2529, 0.2614

Protanopia

20.0697, 0.2643, 0.2609

Deuteranopia

20.1768, 0.2617, 0.2564



Tritanopia

20.1354, 0.2677, 0.3078

Trichromacy



Original Color

20.1951, 0.2529, 0.2614

Protanomaly

20.0895, 0.2598, 0.2605

Deuteranomaly

20.1613, 0.2581, 0.2574

Tritanomaly

20.2291, 0.2624, 0.2915

Monochromacy



Original Color

20.1951, 0.2529, 0.2614

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9633, 0.2885, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1951, 0.2529, 0.2614 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(103, 125, 163)` looks like.

```
.text, #text, p{  
    color:rgb(103, 125, 163)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(103, 125, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 125, 163) }
```

Border

The CSS property to change the border of an element to Yxy 20.1951, 0.2529, 0.2614 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 125, 163) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(103, 125, 163) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(103, 125, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 125, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 125, 163);  
box-shadow:4px 4px 4px 4px rgb(103, 125,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1951, 0.2529, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 125, 163) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(103,  
125, 163) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor